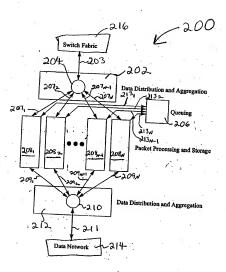
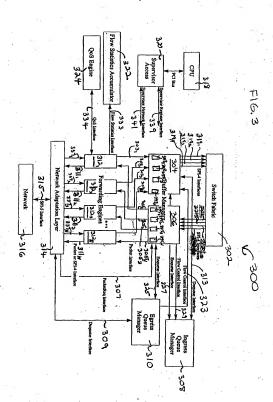
Multi-Slice Network Processor Devanagondi, et al. U.S. Serial No.: 10/612,889 Sheet 1 of 16 Replacement Sheet 80 Multi-Slice Network Processor Devanagondi, et al. U.S. Serial No.: 10/612,889 Sheet 2 of 16 Replacement Sheet



F16.2

Multi-Slice Network Processor Devanagondi, et al. U.S. Serial No.: 10/612,889 Sheet 3 of 16 Replacement Sheet



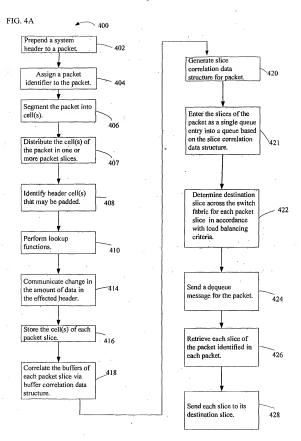
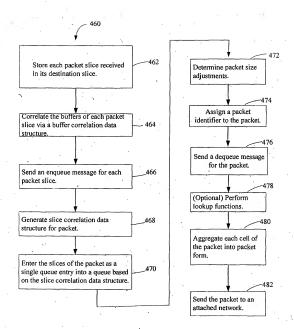


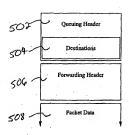
FIG. 4B



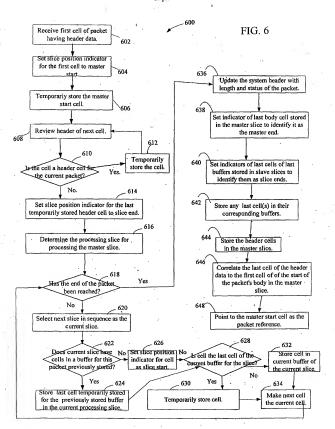
Multi-Slice Network Processor Devanagondi, et al. U.S. Serial No.: 10/612,889 Sheet 6 of 16 Replacement Sheet



FIG. 5



Multi-Slice Network Processor Devanagondi, et al. U.S. Serial No.: 10/612,889 Sheet 7 of 16 Replacement Sheet



Multi-Slice Network Processor Devanagondi, et al. U.S. Serial No.: 10/612,889 Sheet 8 of 16 Replacement Sheet

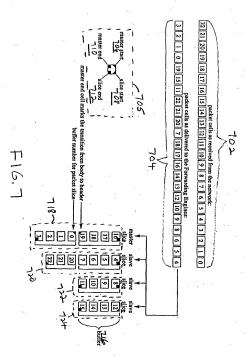
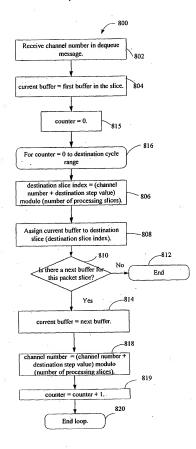
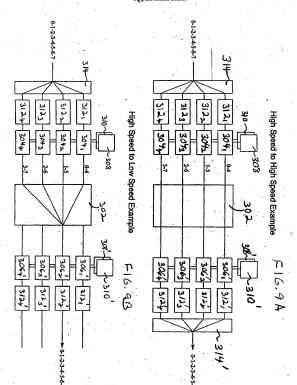


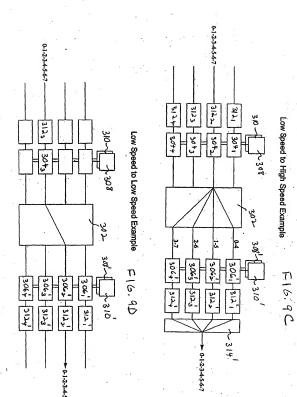
FIG. 8



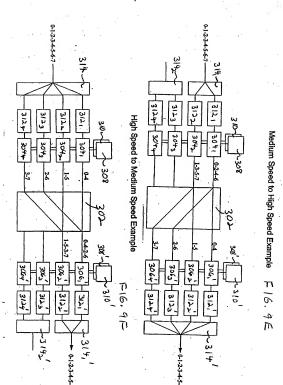
Multi-Slice Network Processor Devanagondi, et al. U.S. Serial No.: 10/612,889 Sheet 10 of 16 Replacement Sheet



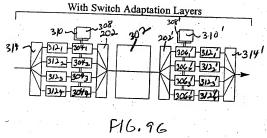
Multi-Slice Network Processor Devanagondi, et al. U.S. Serial No.: 10/612,889 Sheet 11 of 16 Replacement Sheet



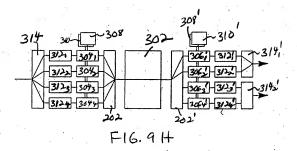
Multi-Slice Network Processor Devanagondi, et al. U.S. Serial No.: 10/612,889 Sheet 12 of 16 Replacement Sheet



Multi-Slice Network Processor Devanagondi, et al. U.S. Serial No.: 10/612,889 Sheet 13 of 16 Replacement Sheet



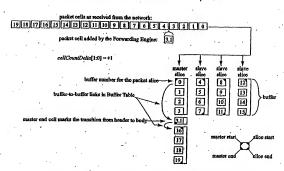
Multi-Slice Network Processor Devanagondi, et al. U.S. Serial No.: 10/612,889 Sheet 14 of 16 Replacement Sheet



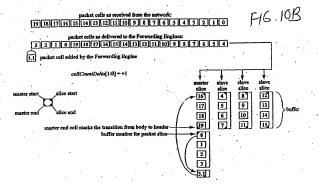
Multi-Slice Network Processor Devanagondi, et al. U.S. Serial No.: 10/612,889 Sheet 15 of 16 Replacement Sheet

Header Expansion on Ingress Store

F16:10A



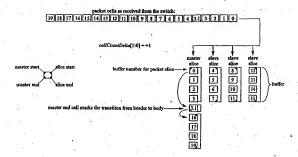
Header Expansion on Ingress Store with Post Storage Header Delivery



Multi-Slice Network Processor Devanagondi, et al. U.S. Serial No.: 10/612,889 Sheet 16 of 16 Replacement Sheet

Cell Sequencing on Egress Store

F16 10C



F16.10D

Cell Sequencing and Elasticity on Egress Retrieve

